

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Christopher L. Coleman

Serial No.:

Examiner: Unassigned

Filing Date: Herewith

Group Art Unit: N/A

Title: DIFFRACTIVE OPTICAL ELEMENT WITH ANTI-REFLECTION COATING

COMMISSIONER FOR PATENTS
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:
☐ Statement under 37 CFR 1.97(e), or
☐ a \$180.00 Processing fee under 37 CFR 1.17(p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:
☐ Statement under 37 CFR 1.97(e), and
☐ a \$180.00 processing fee under 37 CFR 1.17(p).
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Please charge to Deposit Account **50-1078** the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **50-1078** pursuant to 37 CFR 1.25.

☐ Applicant(s) submit herewith Form PTO 1449. References identified with an asterisk (*) were disclosed in Patent Application No. _____ filed _____, now U. S. Patent No. _____, and, as such, copies thereof are not included pursuant to the provisions of 37 CFR 1.98(d).

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

"Express Mail" label no. **ER 288 142 046 US**

Date of Deposit **Jun. 27, 2003**

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

By 

Typed Name: Julianne Christiansen

Respectfully submitted,

Christopher L. Coleman

By 

Jeff A. Holm

Attorney/Agent for Applicant(s)

Reg. No. **38,492**

Date: **Jun. 27, 2003**

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

10030279-1

APPLICATION NO.

CONFIRMATION NO.

APPLICANT

Christopher L. Coleman

FILING DATE

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GROUP

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	2002/0075911	Jun. 20, 2002	Cham et al.	
	1B	2002/0191394	Dec. 19, 2002	Coleman et al.	
	1C				
	1D				
	1E				
	1F				
	1G				
	1H				
	1I				
	1J				
	1K				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
	1M					
	1N					
	1O					
	1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	CERAC, Inc. Technical Publication entitled "Topics in Sputter Deposition"; Volume 6, Issue 3, July-September 1996; 4 pgs. Available at http://www.cerac.com/pubs/cmn/cmn6_3.htm . (© 1996)
	1R	IBM, Inc. article entitled "Sputter Deposition for Semiconductor Manufacturing"; Volume 43, 1999; 14 pgs. Available at http://www.research.ibm.com/journal/rd/431/rossagel.html .
	1S	CERAC, Inc. Coating Material News article entitled "Common Deposition Techniques"; Volume 12, Issue 1, March 2002; 4 pgs.

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	2A				
	2B				
	2C				
	2D				
	2E				
	2F				
	2G				
	2H				
	2I				
	2J				
	2K				

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	2L					
	2M					
	2N					
	2O					
	2P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

2Q	IC Knowledge technical brief entitled "Fundamentals of Sputter Deposition"; 1 pg. (© 2002).
2R	Breault Research Organization, Inc. Technical Guide entitled "Diffraction Gratings and DOEs"; 63 pgs.; August 2002. (© 1999).
2S	MicroMagazine.com online article by Andy Bavin, Trikon Technologies, entitled "Controlling Particles in Sputter Deposition Modules"; 11 pgs. (© 1997-2003).

EXAMINER

DATE CONSIDERED